Curriculum Vitae
Valentine Kouznetsov

Objective:	A position of UNIX system developer/maintainer/administrator.
Background:	Eight years in UNIX environment: administration, installation, configuration, programming and troubleshooting.
Work status:	I am authorized to work in US for my present employer only.

Technical skills:

Computer Hardware:

IBM PC, DEC/Alpha, SUN, SGI workstations, X–terminals, Exabytes backup systems.

OS/Environment:

Linux: RedHat 4.x, 5.x, 6.x, Slackware v2, v3, v4.
FreeBSD: v3.5.
SGI: IRIX 6.5.
DEC/alpha: OSF/1.
SUN: SunOS v4.1.4.1, Solaris v5.5.1.
CDE 1.1, FWMN, KDE/GNOME–desktops.

Network hardware and protocols:

Ethernet, Dial–up modem, TCP/IP, NFS, FTP, DNS, NIS.

Software:

languages: C/C++, Python, Fortran, basic knowledge of Java.
shells: Born and C shells (sh, csh, tcsh).
scripting languages: awk, sed, Tcl/Tk.
miscellaneous: CVS, debuggers (gdb, dbx, DDD, TotalView), GUI (Motif, OnX), VMware (cross–platform installation of Linux, Windows NT/2000, FreeBSD, Solaris 7), Office Suite (MS, Star Office, Applix).

Tasks and procedures:

systems and maintenance planning, installation and documentation;
kernel installation tuning;
system security;
automated installation and configuration over network;
shell programming;
backup planning;
extensive data transfer.

Certificates:

issued by **www.brainbench.com**, see **transcript #157359**

Experience:

June 1993	1993–1998	1998–1999	May 1999	June 1999–till present time
Irkutsk, Russia	JINR, Russia CERN, Switzerland	CERN, Switzerland	JINR, Russia	Fermilab, USA
M. Sc. in physics (Univ. degree)	NOMAD project C, Fortran programming, sys. administration, shell programming.	NOMAD–STAR project Leader of software group, C programming, sys. administration.	Ph.D. in physics	D0 project C++/Python programming, sys. administration.
	Linux, SunOS, Solaris, OSF/1	**Linux, SunOS, Solaris, OSF/1**		**Linux, IRIX**

Time table

June 1999 –– present time: Employed by Univ. of California, Riverside for D0 collaboration at Fermilab, IL.

> **Environment:** C++ language project, SGI IRIX 6.5 & Linux/RedHat 5.x/6.x cluster.
> **Responsibility:** C++ software developer and system administrator/manager for UCR group.
>
> Development of off–line software (tracking system).
>
> UNIX administration/management: support/management of 13 individual software packages; installation and support of D0 software on Linux/RedHat 6.x, system backup and management for UCR group.

Feb. 1998 –– Feb. 1999: Employed by CERN, Geneva, Switzerland for NOMAD–STAR project.

> **Environment:** C language project, DEC/alpha OSF/1 cluster, Linux/RedHat 4.x farm, GNU software.
> **Responsibility:** Leader of software development group.
>
> C language software developer for NOMAD project.
>
> UNIX administration/management: data backup and transfer (DLT, Exabytes), user account management, data management (using csh, sh, TCL/Tk, awk/sed), support and transfer of NOMAD software from DEC OSF/1 to Linux.
>
> Web master: support of NOMAD–STAR web–pages.
>
> Miscellaneous: software consultant (design and management of NOMAD–STAR software, CVS management, on/off–line support, GUI Motif based interface), troubleshooting (debugging problems using gdb, dbx).

May 1995 –– Feb. 1998: Employed by JINR, Dubna Russia CERN (part–time), Geneva Switzerland for NOMAD project.

> **Environment:** C language project, DEC/alpha OSF/1, SunOS (v4.1.4.1), Solaris (SunOS v5.5.1) clusters, Linux/Slackware, GNU software.
> **Responsibility:** C language software developer.
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> UNIX administration/management: CVS management, data management (csh, sh, Tcl/Tk, awk/sed

programming), troubleshooting (debugging problems using gdb, dbx), organization of auto transfer of NOMAD software between CERN and JINR, system backup and user account management.

Dec. 1993 –– May 1998: Employed by JINR, Dubna, Russia.

Environment: Strong mathematical background, theoretical calculations and simulations using C/Fortran languages.
Responsibility: Scientific calculations and simulations (C/Fortran). UNIX administrator (part–time) for Linux/Slackware cluster of JINR group. Network installation and configuration using NFS Samba [SunOS (v4, v5), Linux (Slackware/v3.0), Windows (3.11 and 95)].

Education:

August 1999: Object–Oriented Design and Programming in C++, by Glenn P. Downing Univ. Texas at Austin, Fermilab training, IL, USA.

July 1999: Fast Track to Objects, by ISS Inc. Schaumburg, Fermilab training, IL. Object–Oriented Analysis and Design using UML, by Objective Engineering Inc., Fermilab training, IL, USA.

May 1999: Ph.D. in Physics, Dubna, JINR, Russia.

References:

Prof. Juan Jose Gomez Cadenas	Dr. Eduardo Do Couto E Silva	Prof. Paul Soler
European Laboratory for Particle Physics (CERN), EP Division, CH–1211 Geneve 23, Switzerland.	Stanford Linear Accelerator Center (SLAC) P.O. Box 4349, MS 98, Stanford, CA, 94309, USA	Univ. of Glasgow Glasgow G12 8QQ, Scotland, UK
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Personal:

30 years old, married.
Native language: Russian.
Foreign Languages: English (fluent), French (basic).
Skillful organizer with experience in long–term research projects.
Familiar with handling of research grants and purchasing of equipment.
Self–motivating with good communication and interpersonal skills.
Fast education in programming languages.
Experience to work within large (over 500 people), small (3–10 people) and international teams.
26 publications in physics journals and 2 software publications (internal notes of NOMAD/NOMAD–STAR software). A complete list is available on separate **page**.

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